
FOREST PRESERVE DETAILED PROJECT WORK PLAN

Fiscal Year 2024
Project # 2024-ORDA-008
CO-WP 351

| | |
|--------------------|--|
| <u>Region</u> 5 | <u>Project Title</u> Pumphouse #2 Culvert Replacement |
|--------------------|--|

| | | | |
|---|------------------------------|------------------------|--|
| <u>Project Type</u> Modification of Existing Structure/Improvement | <u>Town(s)</u> Wilmington | <u>County</u> Essex | <u>Management Unit</u> Whiteface Mountain Intensive Use Area |
|---|------------------------------|------------------------|--|

Description of Desired Condition(s) for Project

The proposed work will replace an 18-inch galvanized culvert that extends from Pumphouse 2. The existing culvert will be replaced in kind with a new 18-inch HDPE culvert. Please refer to the appended map image for more information. The replacement of this culvert is needed to eliminate an emergency with two transformers. The transformers are currently set on concrete slabs which are being undermined from the failed culvert. After the new culvert is in place, we will install concrete vaults for the transformers to be set on.

Description of Project Specifications

The culvert removal process will commence adjacent to the building and extend approximately 50-80 feet until it reaches the tree line. The soil disturbance will be about 24 inches wide, or enough to replace the existing culvert safely. The existing culvert extends approximately 100 feet underground before resurfacing and continuing above ground for the remaining distance. The project will require tree clearing and regrading to replace an existing culvert pipe.

Description of Measures Taken to Avoid, Mitigate and Minimize Impacts to Natural Resources

It is necessary to remove trees to allow the equipment access to the underground part of the culvert. Trees will be cleared to create a 15-foot-wide passage alongside the culvert to enable the equipment to pass through. Please refer to the tree tally provided in this work plan. This project will not impact any wetlands or waterbodies, and there will be no adverse effects on any rare, threatened, or endangered species.

Analysis of Project Location and Design Alternatives

The culvert's structure has failed, causing underground erosion under the transformers. The transformers generate a combined output of 34,500 volts of electricity, raising significant safety concerns and the potential for substantial equipment damage. In response to this unique challenge, the proposed solution of replacing the culvert is the most effective way to rectify the safety concerns and potential damage to the equipment.

Description of Use of Motorized Equipment and/or Motor Vehicles (if any)

To effectively replace the culvert, we will use motorized equipment: chainsaws, excavators, and dump trucks.

Description of Applicable Standards for Accessibility by People with Disabilities

Whiteface Mountain provides many opportunities for adaptive winter recreation at the mountain. Instructors are trained in adaptive winter recreation practices.

Other Relevant Considerations

This project is below 2800 feet in elevation and will not impact the Bicknell's Thrush.

Prepared by (Name & Title): Jordan Clymer, Environmental Compliance Manager Date: 7/22/2024
Phone: (518) 637-1991

Approvals:

Comments:

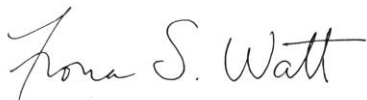


Regional Program Manager
Date: 7/29/2024



for J. Zalewski

Regional Director
Date: 8/21/2024

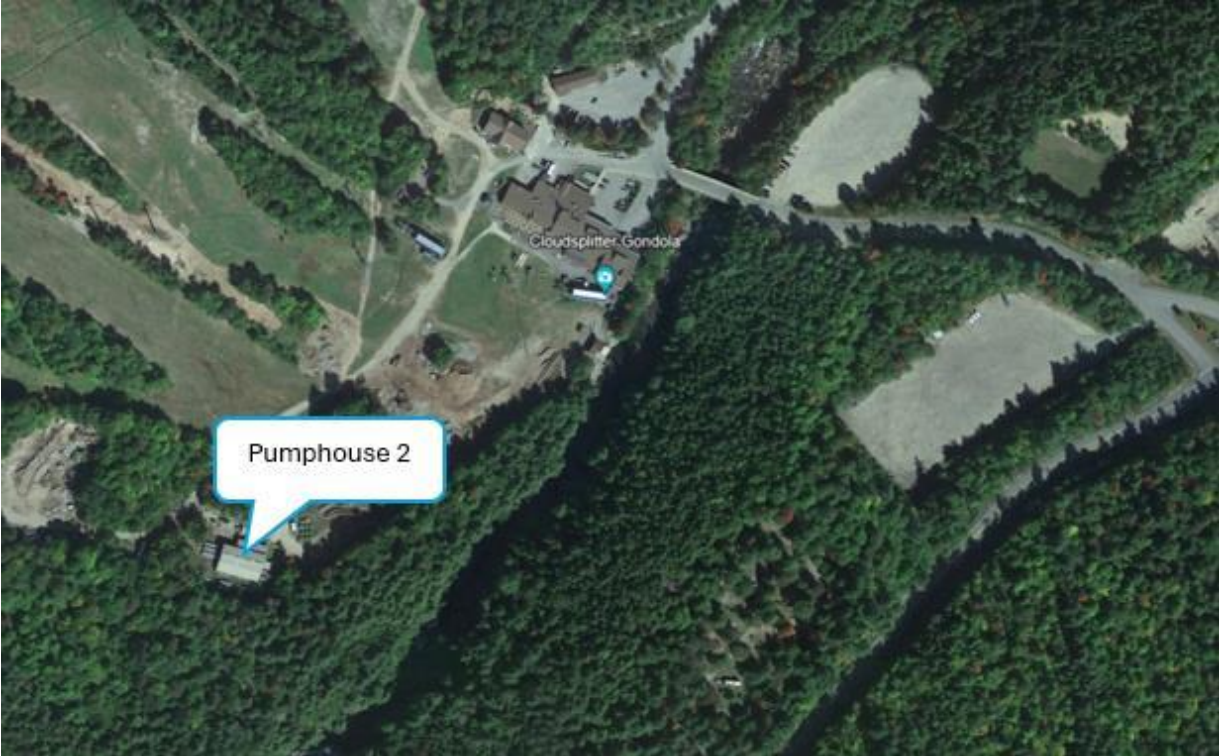


Division Director
Date: 8/21/2024

REGULATORY CLEARANCE CHECKLIST – STATE LANDS and CONSERVATION EASEMENT PROJECTS

| PROGRAM | PERMIT | REQUIRED | | SECURED BY | COMMENTS |
|----------------------|---|--------------------------|-------------------------------------|------------|----------|
| | | YES | NO | (NAME) | |
| Air Resources | Restricted Burning | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Mineral Resources | Mining | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Materials Management | Solid Waste Mgt. Fac. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Water | Dam Safety Review | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Const. in Flood Hazard | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Public Water Supply | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | SPDES | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Spills Management | Petro. Bulk Storage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Lands and Forests | Unit Management Plan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Tree Cutting | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Protected Native Plants | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Historic Preservation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Fish and Wildlife | Freshwater Wetlands | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Wild Scenic & Rec. River | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Compliance Services | Other Protection of Waters | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | EAF | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Negative Declaration | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Env. Impact Statement | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Water Quality Cert. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| DEC (other) | CP-17 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Commissioner (aircraft,motorized equipment) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Flight Request | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Contract Clearance Sh. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | DOB Exemption | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Other Agencies | APA MOU | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | APA Wetlands Permit | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Corps. of Engineers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Building Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Local Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Easements | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Highway Enter DOT | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Wastewater Disposal | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |

Appendix









FOREST PRESERVE WORK PLAN TREE TALLY

Project Name:

State Land Unit: Whiteface Mountain Ski Area

County: Essex

Town: Wilmington

Date Tallied: 7/23/2024

Tallied By: Robert Daley

| Species | Diameter | | | | | | | | | | | | | | | Total | |
|----------------|----------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|-------|----|
| | 1 to 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | | |
| | 14 | | | | | | | | | | | | | | | | 14 |
| American Beech | | 1 | | | | | | | | | | | | | | | 1 |
| White Ash | | 2 | | 1 | | | | | | | | | | | | | 3 |
| Red Maple | | 2 | | | | | | | | | | | | | | | 2 |
| White Birch | | | 1 | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | |
| Total | 14 | 5 | 1 | 1 | | | | | | | | | | | | | 21 |

Note: 1"- 3" size class are trees from 1.0" to 2.9" DBH. 4" size class are trees from 3.0" to 4.9". 6" size class are trees from 5.0" to 6.9".